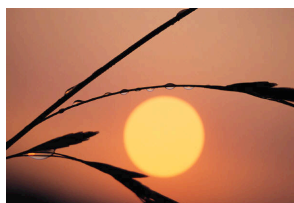


NAME: _____ date: _____



Solar Power

You work for the Department of Energy Efficiency and Renewable Energy. Your major area of concern is locating areas best for collecting solar power. You will need to evaluate a location in the Northern Hemisphere and Southern Hemisphere. Your job is to decide which is the best location for this endeavor.

1. Open MyNASADData.
<http://mynasadata.larc.nasa.gov/>
2. Click on +Data Access
3. Click on +Live Access Server (Advanced Edition)
4. Click on the blue tab to the left of the screen that says compare two
5. Under the blue tab, click on Dataset 1
6. To the right, under Select dataset: click on Atmosphere
7. Under Select dataset: click on Atmospheric Radiation
8. Under Select dataset: click on Surface
9. Under Dataset variable(s): select Monthly Surface Clear-sky SW Downward Flux (SRB)
10. Click on the red Next
11. Under Select dataset: click on Atmosphere
12. Under Select dataset: click on Atmospheric Radiation
13. Under Select dataset: click on Surface
14. Under Dataset variable(s): select Monthly Surface Clear-sky SW Downward Flux (SRB)
15. Click on the red Next
16. Check that the following options are selected:

View: Time series (t)

Output: Overlay plot

Region: Full Region

-On the map, click on a land location North of the Equator:

-Next to the map, select Var2, then click on a new land location South of the Equator

*You will notice when you click a location, latitude and longitude values automatically fill in the boxes.
(record these values below)

Select time range: Jan 2006 to

Dec 2006

17. Click the red Next. A window will appear with your line plot data.

Location one: Continent: _____

_____ (N, S) _____ (E, W)

Location two: Continent: _____

_____ (N, S) _____ (E, W)

Which location would be your first choice to invest in a solar power generating plant? Why?
(Be sure to reference your data)